

04-20-2000

P08/REV01

Tab settings → → →



101327284

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Johnson & Johnston Associates, Inc.
34929 Curtis Boulevard
Eastlake, Ohio 44095

Additional names(s) of conveying party(ies) _____ Yes ☒ No

2. Name and address of receiving party(ies):

Name: KeyBank National Association

Internal Address: _____

Street Address: 127 Public Square

City: Cleveland State: OH ZIP: 44114-1306

Additional name(s) & address(es) _____ Yes ☒ No

3. Nature of conveyance:

____ Assignment _____ Merger
☒ Security Agreement _____ Change of Name
____ Other _____

Execution: 1/31/00

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)

4,875,283

Additional numbers _____ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Teresan Wasie Gilbert

Benesch, Friedlander, Coplan & Aronoff

Street Address: 2300 BP America Building

200 Public Square

City: Cleveland State: OH ZIP: 44114

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00

☒ Enclosed

____ Authorized to be charged to deposit account

8. Deposit account number:

02-2051

(Attach duplicate copy of this page if paying by deposit account)

04/19/2000 DCOATES 00000110 4875283

01 FG-501

40.00 UP

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Teresan Wasie Gilbert
Name of Person Signing

Teresan Wasie Gilbert
Signature

2/15/00
Date

Total number of pages including cover sheet, attachments, and

56

EXPRESS MAIL LABEL
NO. EL 2 78089 3745

Original assignment attached to US Patent
Recordation Sheet #5,256,474
PATENT

REEL: 010696 FRAME: 0546

INTELLECTUAL PROPERTY COLLATERAL ASSIGNMENT AGREEMENT

1. RECITALS.

JOHNSON & JOHNSTON ASSOCIATES, INC., a New Hampshire corporation (together with its successors and assigns, "Borrower"), is entering into the Credit Agreement, as hereinafter defined, with KEYBANK NATIONAL ASSOCIATION ("Bank").

Borrower understands that Bank is willing to enter into the Credit Agreement and to grant financial accommodations to Borrower thereunder only upon certain terms and conditions, one of which is that Borrower grant to Bank a security interest in and collateral assignment of the Collateral, as hereinafter defined, and this Intellectual Property Collateral Assignment Agreement (as the same may from time to time be amended, restated or otherwise modified, this "Agreement") is being executed and delivered in consideration of each financial accommodation, if any, granted to Borrower by Bank and for other valuable considerations.

2. DEFINITIONS. As used in this Agreement, the following terms shall have the following meanings:

2.1. "Assignment" shall mean an Assignment in the form of Exhibit A hereto.

2.2. "Collateral" shall mean, collectively, all of Borrower's existing and future (a) patents, patent registrations, patent applications, patent licenses, technology licenses, trade secrets, know-how, trademarks, trademark registrations, trademark applications, trademark licenses, trade names, service marks, domain names, copyright registrations and copyright licenses, whether federal or state, including, but not limited to, those listed on Schedule 1 hereto (as such Schedule 1 may from time to time be amended, supplemented or otherwise modified); (b) common law trademark rights, copyrights, improvements and inventions; (c) renewals, proceeds on infringement suits, and rights to sue for past, present and future infringements relating to any of the foregoing; (d) goodwill associated with any of the foregoing; (e) royalties; and (f) proceeds of any of the foregoing.

2.3. "Credit Agreement" shall mean the Credit and Security Agreement executed by and between Borrower and Bank and dated as of the 31st day of January, 2000, as the same may from time to time be amended, restated or otherwise modified or replaced.

2.4. "Debt" shall mean, collectively, (a) all Loans; (b) all other indebtedness or other obligations now owing or hereafter incurred by Borrower to Bank pursuant to the Credit Agreement and the Notes executed in connection therewith; (c) each renewal, extension, consolidation or refinancing of any of the foregoing, in whole or in part; (d) all interest from time to time accruing on any of the foregoing, and all commitment and other fees payable pursuant to the Credit Agreement; (e) every other liability, now or hereafter owing to Bank (or any affiliate of Bank) by Borrower, and includes, without limitation, every liability, whether owing by only Borrower or by Borrower with one or more others in a several, joint or joint and several capacity, whether owing absolutely or contingently, whether created by note, overdraft, guaranty of payment or other contract or by a quasi-contract, tort, statute or other operation of law, whether incurred directly to Bank (or

such affiliate) or acquired by Bank (or such affiliate) by purchase, pledge or otherwise and whether participated to or from Bank (or such affiliate) in whole or in part; and (f) all costs and expenses, including attorneys' fees, incurred by Bank (or any affiliate of Bank) in connection with the Credit Agreement or in connection with the collection of any portion of the indebtedness or other obligations described in (a), (b), (c), (d) or (e) hereof.

2.5. "Event of Default" shall mean an event or condition that constitutes an event of default pursuant to Section 8 hereof.

2.6. "GA-TEK" shall mean GA-TEK Inc. (formerly known as Gould Inc.), an Ohio corporation, together with its successors and assigns.

2.7. "GA-TEK License" shall mean license granted by Borrower to GA-TEK pursuant to the License Agreement, dated as of April 14, 1993, between Borrower, as licensor and GA-TEK, as licensee, as the same may from time to time be amended, restated or otherwise modified.

2.8. "Loan" shall mean any Loan, as defined in the Credit Agreement, granted pursuant to the Credit Agreement.

2.9. "Person" shall mean any individual, sole proprietorship, partnership, joint venture, unincorporated organization, corporation, limited liability company, institution, trust, estate, government or other agency or political subdivision thereof or any other entity.

Except as specifically defined herein, capitalized terms used in this Agreement that are defined in the Credit Agreement shall have their respective meanings ascribed to them in the Credit Agreement.

3. GRANT OF ASSIGNMENT AND SECURITY INTEREST. In consideration of and as security for the full and complete payment of all of the Debt, Borrower hereby agrees that Bank shall at all times have, and hereby grants to Bank, a security interest in and collateral assignment of all of the Collateral, including (without limitation) all of Borrower's future Collateral, irrespective of any lack of knowledge by Bank of the creation or acquisition thereof.

4. REPRESENTATIONS AND WARRANTIES. Borrower represents and warrants to Bank that:

(a) Borrower owns all of the Collateral and, whether the same are registered or unregistered, no such Collateral has been adjudged invalid or unenforceable.

(b) The Collateral is valid and enforceable.

(c) Borrower has no knowledge of any claim that the use of any of the Collateral does or may violate the rights of any Person.

(d) Except for liens permitted pursuant to Section 5.9 of the Credit Agreement and except for licenses permitted pursuant to Section 5 hereof, Borrower is the sole and exclusive owner of the entire and unencumbered right, title and interest in and to the Collateral, free and clear of any liens, charges and encumbrances, including, without limitation, pledges, assignments, licenses, registered user agreements and covenants by Borrower not to sue third Persons.

(e) Borrower has not transferred any interest in or license of the Collateral to any Person within the last five (5) years, other than the GA-TEK License.

(f) Borrower has full power, authority and legal right to pledge the Collateral and enter into this Agreement and perform its terms.

(g) Borrower has used, and shall continue to use, for the duration of this Agreement, proper statutory notice in connection with its use of the Collateral, except where the failure to do so will not have a material adverse effect on Borrower.

5. FURTHER ASSIGNMENT PROHIBITED. Borrower shall not enter into any agreement that is inconsistent with Borrower's obligations under this Agreement and shall not otherwise sell or assign its interest in, or grant any license or sublicense (other than the GA-TEK License or any sublicense in existence on and granted prior to the date hereof) with respect to, any of the Collateral without Bank's prior written consent. Absent such prior written consent, any attempted sale or license is null and void.

6. RIGHT TO INSPECT. Borrower hereby grants to Bank and its employees and agents the right, during regular business hours, to visit any location of Borrower or, if applicable, any other location, and to inspect the products and quality control records relating thereto at reasonable times during regular business hours, at Borrower's expense.

7. STANDARD PATENT AND TRADEMARK USE. Neither Borrower nor GA-TEK shall use the Collateral in any manner that would jeopardize the validity or legal status thereof. With respect to the Collateral, Borrower and GA-TEK shall (a) comply with all patent marking requirements as specified in 35 U.S.C. §287, and (b) further conform their respective usage of any trademarks to standard trademark usage, including, but not limited to, using the trademark symbols ®, ™, and ™ where appropriate.

8. EVENT OF DEFAULT.

(a) The occurrence of any of the following shall constitute an "Event of Default" under this Agreement (i) if the Debt, or any portion thereof, shall not be paid in full when due and payable, whether due by lapse of time or acceleration of maturity or otherwise, (ii) if an Event of Default, as defined in the Credit Agreement, shall occur under the Credit Agreement, (iii) if Borrower shall fail to fully perform or omit to perform in any material respect any agreement or other provision

contained or referred to in this Agreement, or (iv) if any representation, warranty or statement made in or pursuant to this Agreement, shall be false or erroneous in any material respect.

(b) Borrower expressly acknowledges that Bank shall record this Agreement with the United States Patent and Trademark Office in Washington, DC. Contemporaneously herewith, Borrower shall also execute and deliver to Bank the Assignment, which Assignment shall have no force and effect and shall be held by Bank, in escrow, until the occurrence of an Event of Default; provided, that, anything herein to the contrary notwithstanding, the security interest and collateral assignment granted herein shall be effective as of the date of this Agreement. After the occurrence of an Event of Default, the Assignment shall take effect immediately upon certification of such fact by an authorized officer of Bank in the form reflected on the face of the Assignment and Bank may, in its sole discretion, record the Assignment with the United States Patent and Trademark Office.

(c) Borrower irrevocably authorizes and empowers Bank, upon the occurrence of an Event of Default, to terminate Borrower's use of the Collateral and to exercise such rights and remedies as allowed by law. Without limiting the generality of the foregoing, Bank may immediately sell at public or private sale, in a commercially reasonable manner, or otherwise realize upon all or, from time to time, any of the Collateral, together with the associated goodwill, or any interest that Borrower may have therein, and, after deducting from the proceeds of sale or other disposition of the Collateral all reasonable expenses (including all attorneys' fees and brokers' fees), Bank shall apply such proceeds against payment of the Debt. Any remainder of the proceeds, after payment in full of the Debt, shall be distributed in accordance with Chapter 1309 of the Ohio Revised Code. Notice of any sale or other disposition of the Collateral shall be given to Borrower at least ten (10) Business Days before the time of any intended public or private sale or other disposition of the Collateral is to be made, which Borrower hereby agrees shall be reasonable notice of such sale or other disposition. At any such sale or other disposition Bank may, to the extent permissible under applicable law, purchase the whole or any part of the Collateral sold, free from any right of redemption on the part of Borrower, which right is hereby waived and released.

9. ESTOPPEL LETTER. Concurrently with the execution of this Agreement, Borrower shall cause GA-TEK to consent to this Agreement and execute and deliver to Bank an Estoppel Letter, in the form of Exhibit B hereto.

10. TERMINATION. At such time as the Debt has been irrevocably paid in full, the Commitment, as defined in the Credit Agreement, terminated, and the Credit Agreement terminated and not replaced by any other credit facility with Bank, this Agreement shall terminate and, upon written request of Borrower, Bank shall execute and deliver to Borrower all deeds, assignments, and other instruments as may be necessary or proper to release Bank's security interest in and assignment of the Collateral and to re-vest in Borrower full title to the Collateral, subject to any disposition thereof that may have been made by Bank pursuant hereto.

11. MAINTAINING COLLATERAL; ATTORNEYS' FEES, COSTS AND EXPENSES. Borrower shall have the obligation and duty to perform all acts necessary to maintain or preserve the

Collateral, provided that Borrower shall not be obligated to maintain any Collateral in the event Borrower determines, in the reasonable business judgment of Borrower, that the maintenance of such Collateral is no longer necessary in Borrower's business. Any and all reasonable fees, costs and expenses, of whatever kind or nature, including, without limitation, attorneys' fees and legal expenses incurred by Bank in connection with the amendment and enforcement of this Agreement, all renewals, required affidavits and all other documents relating hereto and the consummation of this transaction, the filing or recording of any documents (including all taxes in connection therewith) in public offices, the payment or discharge of any taxes, counsel fees, maintenance fees, encumbrances or otherwise protecting, maintaining or preserving the Collateral, or in defending or prosecuting any actions or proceedings arising out of or related to the Collateral, shall be borne and paid by Borrower, upon demand by Bank, and, until so paid, shall be added to the principal amount of the Debt.

12. **BORROWER'S OBLIGATION TO PROSECUTE.** Except as otherwise agreed to by Bank in writing, Borrower shall have the duty to prosecute diligently any patent application or trademark application pending as of the date of this Agreement or thereafter until the Debt shall have been paid in full, to file and prosecute opposition and cancellation proceedings and to do any and all acts that are necessary or desirable to preserve and maintain all rights in the Collateral, including, but not limited to, payment of any maintenance fees. Any expenses incurred in connection with the Collateral shall be borne by Borrower. Borrower shall not abandon any Collateral without the prior written consent of Bank, unless such abandonment will not have a material adverse effect on Borrower or such abandonment is in connection with the abandonment of a product or product line.

13. **BANK'S RIGHT TO ENFORCE.** Borrower shall have the right to bring any opposition proceeding, cancellation proceeding or lawsuit in its own name to enforce or protect the Collateral. Bank shall have the right, but shall have no obligation, to join in any such action. Borrower shall promptly, upon demand, reimburse and indemnify Bank for all damages, reasonable costs and expenses, including attorneys' fees, incurred by Bank in connection with the provisions of this Section 12, in the event Bank elects to join in any such action commenced by Borrower.

14. **POWER OF ATTORNEY.** Borrower hereby authorizes and empowers Bank to make, constitute and appoint any officer or agent of Bank as Bank may select, in its exclusive discretion, as Borrower's true and lawful attorney-in-fact, with the power to endorse, after the occurrence of an Event of Default, Borrower's name on all applications, documents, papers and instruments necessary for Bank to use the Collateral, or to grant or issue any exclusive or nonexclusive license under the Collateral to any third party, or necessary for Bank to assign, pledge, convey or otherwise transfer title in or dispose of the Collateral, together with associated goodwill to a third party or parties. Borrower hereby ratifies all that such attorney shall lawfully do or cause to be done by virtue hereof. This power of attorney shall be irrevocable for the life of this Agreement.

15. **BANK'S RIGHT TO PERFORM OBLIGATIONS.** If Borrower fails to comply with any of its obligations under this Agreement, Bank, may, but is not obligated to, do so in Borrower's

name or in Bank's name, but at Borrower's expense, and Borrower hereby agrees to reimburse Bank on demand in full for all expenses, including attorneys' fees, incurred by Bank in protecting, defending and maintaining the Collateral.

16. **ADDITIONAL DOCUMENTS.** Borrower shall, upon written request of Bank, enter into such additional documents or instruments as may be required by Bank in order to effectuate, evidence or perfect Bank's interests in the Collateral as evidenced by this Agreement.

17. **NEW COLLATERAL.** If, before the Debt shall have been satisfied in full and the Commitment terminated, Borrower shall obtain rights to any new Collateral, the provisions of Section 1 shall automatically apply thereto as if the same were identified on Schedule 1 as of the date hereof and Borrower shall give Bank prompt written notice thereof.

18. **MODIFICATION FOR NEW COLLATERAL.** Borrower hereby authorizes Bank to modify this Agreement by amending Schedule 1 to include any future Collateral as contemplated by Sections 1 and 17 hereof and, at Bank's request, Borrower shall execute any documents or instruments required by Bank in order to modify this Agreement as provided in this Section 18, provided that any such modification to Schedule 1 shall be effective without the signature of Borrower.

19. **NO WAIVER.** No course of dealing between Borrower and Bank, nor any failure to exercise, nor any delay in exercising, on the part of Bank, any right, power or privilege hereunder or under any of the Loan Documents shall operate as a waiver thereof; nor shall any single or partial exercise of any right, power or privilege hereunder or thereunder preclude any other or further exercise thereof or the exercise of any other right, power or privilege.

20. **REMEDIES CUMULATIVE.** All of the rights and remedies of Bank with respect to the Collateral, whether established hereby or by the Loan Documents, or by any other agreements or by law shall be cumulative and may be executed singularly or concurrently.

21. **SEVERABILITY.** The provisions of this Agreement are severable, and, if any clause or provision shall be held invalid and unenforceable in whole or in part in any jurisdiction, then such invalidity or unenforceability shall affect only such clause or provision, or part thereof, in such jurisdiction, and shall not in any manner affect such clause or provision in any other jurisdiction, or any other clause or provision of this Agreement in any jurisdiction.

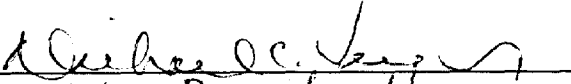
22. **MODIFICATIONS.** Subject to Section 18 hereof, this Agreement may be amended or modified only by a writing signed by Borrower and Bank. In the event that any provision of this Agreement is deemed to be inconsistent with any provision of any other document, other than the Credit Agreement, the provisions of this Agreement shall control.

23. **ASSIGNMENT AND SUCCESSORS.** This Agreement shall not be assigned by Borrower without the prior written consent of Bank. This Agreement shall bind the successors and

26. JURY TRIAL WAIVER. BORROWER AND BANK, TO THE EXTENT PERMITTED BY LAW, EACH WAIVE ANY RIGHT TO HAVE A JURY PARTICIPATE IN RESOLVING ANY DISPUTE, WHETHER SOUNDING IN CONTRACT, TORT OR OTHERWISE, BETWEEN BANK AND BORROWER, ARISING OUT OF, IN CONNECTION WITH, RELATED TO, OR INCIDENTAL TO THE RELATIONSHIP ESTABLISHED BETWEEN THEM IN CONNECTION WITH THIS AGREEMENT OR ANY NOTE OR OTHER INSTRUMENT, DOCUMENT OR AGREEMENT EXECUTED OR DELIVERED IN CONNECTION THEREWITH OR THE TRANSACTIONS RELATED THERETO. THIS WAIVER SHALL NOT IN ANY WAY AFFECT, WAIVE, LIMIT, AMEND OR MODIFY BANK'S ABILITY TO PURSUE REMEDIES PURSUANT TO ANY CONFESSION OF JUDGMENT OR COGNOVIT PROVISION CONTAINED IN ANY NOTE, OR OTHER INSTRUMENT, DOCUMENT OR AGREEMENT BETWEEN BORROWER AND BANK.

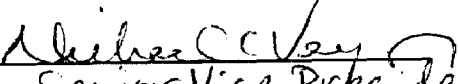
IN WITNESS WHEREOF, the undersigned has executed this Agreement as of the 31st day of January, 2000.

JOHNSON & JOHNSTON ASSOCIATES,
INC.

By: 
Title: Vice President

Acknowledged and consented to as
of the 31st day of January, 2000, by:

GA-TEK INC.

By: 
Title: Senior Vice President

ACKNOWLEDGMENTS

THE STATE OF OHIO)
) SS:
COUNTY OF CUYAHOGA)

BEFORE ME, the undersigned authority, on this day personally appeared Michael Veysey, known to me to be the person and officer whose name is subscribed to the foregoing instrument and acknowledged to me that the same was the act of the said JOHNSON & JOHNSTON ASSOCIATES, INC., a New Hampshire corporation, and that he executed the same as the act of such corporation for the purposes and consideration therein expressed, and in the capacity therein stated.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this 31st day of January, 2000.


NOTARY PUBLIC
JOHN E. MAZEY NOTARY PUBLIC
State of Ohio
My Commission Has No Expiration

SCHEDULE 1

Schedule I

Intellectual Property

1. See the attached matrix for a list of the Borrower's patents and the status thereof.
2. The Borrower has registered the trade name "JJA" in New Hampshire.
3. The Borrower has registered the trademark "CAC" for metallic laminate used as a component in the manufacture of printed circuit boards on the Principal Register of the United States Patent and Trademark Office (Reg. No. 1,800,591).
4. The Borrower's licensed interest in software is attached hereto.
5. The Borrower's Intellectual Property Rights are subject to the following:
 - (a) License Agreement between the Borrower and Gould dated April 14, 1993.
 - (b) Trademark License Agreement between the Borrower and Gould dated June 25, 1993.
 - (c) Amendment to License Agreement and Trademark License Agreement between the Borrower and Gould dated May 29, 1996.
 - (d) Amended and Restated Patent Assignment and Security Agreement between the Borrower and Gould dated May 29, 1996.
 - (e) Pending litigation, related judgment and pending appeal by RE Services and Mark Frater.
 - (f) Strategic Alliance Agreement among the Borrower, Gould and others dated April 14, 1993.
 - (g) Amendment to Strategic Alliance Agreement, dated as of May 29, 1996, by and among, the Borrower, Gould and others.

STATUS REPORT

U.S. AND FOREIGN

JOHNSON & JOHNSTON ASSOCIATES, INC.

February 12, 1998

Updated DECEMBER 1999

Prepared by

Hamilton, Brook, Smith & Reynolds, P.C.

DOCKET LETTER CODE:

X, Y, Z = Divisional

A = Continuation or C-I-P

P = Provisional

Prime (') or P = Continued Prosecution Application (CPA)

NOTE: This summary is confidential information of the client for internal informational purposes only and is subject to frequent change.

CONFIDENTIAL

JOHNSON & JOHNSTON ASSOCIATES, INC. STATUS REPORT - U.S.

MASTER FILE REPORT PCHASTER REPORTER 12FE1998 15 18 PAGE: 1

DOCKET NUMBER	CITY	APP DATE	APPLICATION NUMBER	PAT DATE	PATENT NUMBER	EXPIRES	ATTY	ASSOC	STATUS	SUBSTATUS
JJA86-01	USA	03NO1986	929,753				RAM		INACTIVE	ABANDONED

Method and Apparatus for Manufacturing Printed Circuit Boards

James A. Johnston

JJA86-01A'	USA	13NO1989	07/435,769	26OC1993	5,256,474	26OC2010	RAM		GRANTED	
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Method and Apparatus for Manufacturing Printed Circuit Boards

James A. Johnston

JJA86-01Z	USA	25AU1988	07/202,096	24OC1989	4,875,283	13NO2006	RAM		GRANTED	
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Method and Apparatus For Manufacturing Printed Circuit Boards

James A. Johnston

JJA91-01	USA	27AU1991	07/750,798	06OC1992	5,153,050	27AU2011	RAM		GRANTED	
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Component Of Printed Circuit Boards

James A. Johnston

JJA91-01A2	USA	12NO1996	08/745,435				RAM		FILED	
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Component Of Printed Circuit Boards

James A. Johnston

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CONFIDENTIAL

PCMASTER REPORTER

MASTER FILE REPORT

JOHNSON & JOHNSON STATUS REPORT - U.S.

DOCKET NUMBER	CITY	APP. DATE	APPLICATION NUMBER	PAT. DATE	PATENT NUMBER	EXPIRES	ATTY	ASSOC	STATUS	SUBSTATUS
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JJA91-01A3	USA	10FE1998	09/021092-004	24 Aug 99	5,942,315		11 RAW		FILED	
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Component Of Printed Circuit Boards

James A. Johnston

JJA91-01AF	USA	24JA1997	08/789,169	14 SEP 99	5,951,803		RAW		FILED	0
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Component Of Printed Circuit Boards

James A. Johnston

JJA91-01B	USA	01OC1992	07/955,121	07OC1997	5,674,596	07OC2014	RAW		GRANTED	
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Component Of Printed Circuit Boards

James A. Johnston

JJA95-01	USA	09JA1996	08/583,823				RAW		FILED	ABANDONED
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Component For And Method Of Making Printed Circuit Boards

James A. Johnston
Albert H. Bergun

NOTE: This summary is confidential information of the client for internal informational purposes only and is subject to frequent change.

CONFIDENTIAL

PCMASTER REPORTER

MASTER FILE REPORT

JOHNSON & JOHNSTON ASSOC. STATUS REPORT - FOREIGN

DOCKET NUMBER	CTY	APP DATE	APPLICATION NUMBER	PUB DATE	PUBLICATION NO	PAT DATE	PATENT NUMBER	EXPIRES	STATUS	SUBSTATUS
JJA86-01	GBR1	10NO1987	87907893.9 Method And Apparatus For Manufacturing Printed Circuit Boards			30AU1995	0333744	10NO2007	GRANTED	

James A. Johnston

JJA86-01	GERK	10NO1987	87907893.9 Method And Apparatus For Manufacturing Printed Circuit Boards			30AU1995	P3751496.2-08	10NO2007	GRANTED	
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James A. Johnston

JJA86-01	ITAL	10NO1987	87907893.9 Method And Apparatus For Manufacturing Printed Circuit Boards			30AU1995	0333744	10NO2007	GRANTED	
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James A. Johnston

JJA86-01	JAPA	10NO1987	500170/88 Method And Apparatus For Manufacturing Printed Circuit Boards	04RR1996	21765/96	21NO1996	2109484	10NO2007	GRANTED	
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James A. Johnston

JJA86-01	LUXE	10NO1987	87907893.9 Method And Apparatus For Manufacturing Printed Circuit Boards			30AU1995	0333744	10NO2007	GRANTED	
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James A. Johnston

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CONFIDENTIAL

PCMASTER REPORTER

MASTER FILE REPORT

JOHNSON & JOHNSTON ASSOC. STATUS REPORT - FOREIGN

DOCKET NUMBER	CTY	APP. DATE	APPLICATION NUMBER	PUB DATE	PUBLICATION NO	PAT. DATE	PATENT NUMBER	EXPIRES	STATUS	SUBSTATUS
JJA86-01	METN	10NO1987	87907893.9 Method And Apparatus For Manufacturing Printed Circuit Boards			30AU1995	0333744	10NO2007	GRANTED	

James A. Johnston

FILED

JJA86-01	PCT	10NO1987	PCT/US87/02942 Method And Apparatus For Manufacturing Printed Circuit Boards	19MY1988	W088/03743					
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James A. Johnston

GRANTED

JJA86-01	SING	10NO1987	87907893.9 Method And Apparatus For Manufacturing Printed Circuit Boards			30AU1995	0333744	14NO2006	GRANTED	
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James A. Johnston

GRANTED

JJA86-01	SUED	10NO1987	87907893.9 Method And Apparatus For Manufacturing Printed Circuit Boards			30AU1995	0333744	10NO2007	GRANTED	
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James A. Johnston

GRANTED

JJA86-01	SVIT	10NO1987	87907893.9 Method And Apparatus For Manufacturing Printed Circuit Boards			30AU1995	0333744	10NO2007	GRANTED	
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James A. Johnston

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CONFIDENTIAL

PCMASTER REPORTER

MASTER FILE REPORT

JOHNSON & JOHNSON ASSOC. STATUS REPORT - FOREIGN

DOCKET NUMBER	CTY	APP. DATE	APPLICATION NUMBER	PUB DATE	PUBLICATION NO	PAT. DATE	PATENT NUMBER	EXPIRES	STATUS	SUBSTATUS
JJA91-01	ASTL	14JL1992	23655/92 Component Of Printed Circuit Boards James A. Johnston			17AU1995	662,012	14JL2012	GRANTED	

JJA91-01	ATRA	14JL1992	92916227.9 Component Of Printed Circuit Boards James A. Johnston			15JA1997	0600925	14JL2012	GRANTED	
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JJA91-01	BELA	14JL1992	01505/12 Component Of Printed Circuit Boards James A. Johnston			12 JAN 98	283348		FILED	
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JJA91-01	BELG	14JL1992	92916227.9 Component Of Printed Circuit Boards James A. Johnston			15JA1997	0600925	14JL2012	GRANTED	
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JJA91-01	BRAZ	14JL1992	PI9206674 Component Of Printed Circuit Boards James A. Johnston						FILED	
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JJA91-01	BULG	14JL1992	98543 Component Of Printed Circuit Boards James A. Johnston			1 JUN 98	61363		FILED	
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NOTE: This summary is confidential information of the client for internal informational purposes only and is subject to frequent change.

CONFIDENTIAL

PCMASTER REPORTER

MASTER FILE REPORT

JOHNSON & JOHNSON ASSOC. STATUS REPORT - FOREIGN

SUBSTATUS

STATUS

EXPIRES

PATENT NUMBER

PAT. DATE

PUBLICATION NO

PUB DATE

APPLICATION NUMBER

APP. DATE

CTY

DOCKET NUMBER

GRANTED

14 JUL 2012

2,116,662

26 MAR 1996

2,116,662

14 JUL 1992

CAN

JJA91-01

Component Of Printed Circuit Boards

James A. Johnston

GRANTED

20 AUG 2007

92109596.1

22 NOV 1997

92109596.1

20 AUG 1992

CHN

JJA91-01

Component Of Printed Circuit Boards

James A. Johnston

FILED

283348

12 JAN 98

PV435-94

14 JUL 1992

CZE

JJA91-01

Component Of Printed Circuit Boards

James A. Johnston

GRANTED

14 JUL 2012

0600925

15 JAN 1997

92916227.9

14 JUL 1992

DEN

JJA91-01

Component Of Printed Circuit Boards

James A. Johnston

GRANTED

14 JUL 2012

0600925

15 JAN 1997

92916227.9

14 JUL 1992

EPC

JJA91-01

Component Of Printed Circuit Boards

James A. Johnston

TEXT TYPE: DES

AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE

940913

Component Of Printed Circuit Boards

James A. Johnston

FILED

14 JUL 1992

FIN

JJA91-01

NOTE: This summary is confidential information of the client for internal informational purposes only and is subject to frequent change.

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PCMASTER REPORTER

MASTER FILE REPORT

JOHNSON & JOHNSTON ASSOC. STATUS REPORT - FOREIGN

DOCKET NUMBER	CTY	APP. DATE	APPLICATION NUMBER	PUB DATE	PUBLICATION NO	PAT. DATE	PATENT NUMBER	EXPIRES	STATUS	SUBSTATUS
JJA91-01	FRAH	14JL1992	92916227.9 Component Of Printed Circuit Boards			15JA1997	0600925	14JL2012	GRANTED	

James A. Johnston

JJA91-01	GERI	14JL1992	92916227.9 Component Of Printed Circuit Boards			15JA1997	0600925	14JL2012	GRANTED	
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James A. Johnston

JJA91-01	GERX	14JL1992	92916227.9 Component Of Printed Circuit Boards			15JA1997	69216839.7-08	14JL2012	GRANTED	
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James A. Johnston

JJA91-01	GREC	14JL1992	92916227.9 Component Of Printed Circuit Boards			15JA1997	0600925	14JL2012	GRANTED	
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James A. Johnston

JJA91-01	HONG	14JL1992	92916227.9 Component Of Printed Circuit Boards			15JA1997	0600925	14JL2012	GRANTED	
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James A. Johnston

TEXT TYPE: DES

FILED

JJA91-01	HUNG	14JL1992	P9400579 Component Of Printed Circuit Boards			10 AUG 99	216987			
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James A. Johnston

NOTE: This summary is confidential information of the client for internal informational purposes only and is subject to frequent change.

CONFIDENTIAL

JOHNSON & JOHNSON ASSOC. STATUS REPORT - FOREIGN

DOCKET NUMBER	CTY	APP DATE	APPLICATION NUMBER	PUB DATE	PUBLICATION NO	PAT DATE	PATENT NUMBER	EXPIRES	STATUS	SUBSTATUS
JJA91-01	INDO	22AU1992	P-004612 Component Of Printed Circuit Boards James A. Johnston			9 FEB 99	NOT ISSUED AS OF 12/17/99		FILED	
JJA91-01	ITAL	14JL1992	92916227.9 Component Of Printed Circuit Boards James A. Johnston			15JA1997	0600925	14JL2012	GRANTED	
JJA91-01	JAPA	14JL1992	504291/93 Component Of Printed Circuit Boards James A. Johnston						FILED	REQUEST FOR EXAM FILED 9 FEB 99
JJA91-01	KORS	14JL1992	700580/92 Component Of Printed Circuit Boards James A. Johnston						FILED	
JJA91-01	LUXE	14JL1992	92916227.9 Component Of Printed Circuit Boards James A. Johnston			15JA1997	0600925	14JL2012	GRANTED	
JJA91-01	HAYS	08JL1992	PT9201408 Component Of Printed Circuit Boards James A. Johnston			31DE1996	NY109204A	31DE2011	GRANTED	

NOTE: This summary is confidential information of the client for internal informational purposes only and is subject to frequent change.

CONFIDENTIAL

MASTER FILE REPORT

PCMASTER REPORTER

JOHNSON & JOHNSTON ASSOC. STATUS REPORT - FOREIGN

SUBSTATUS

STATUS

EXPIRES

PATENT NUMBER

PAT. DATE

PUBLICATION NO

PUB DATE

APPLICATION NUMBER

APP. DATE

CITY

DOCKET NUMBER

JJA91-01

MONA

14JL1992

92916227.9

Component Of Printed Circuit Boards

James A. Johnston

GRANTED

14JL2012

0600925

15JA1997

JJA91-01

NETR

14JL1992

92916227.9

Component Of Printed Circuit Boards

James A. Johnston

GRANTED

14JL2012

0600925

15JA1997

JJA91-01

NORV

14JL1992

94.0657

Component Of Printed Circuit Boards

James A. Johnston

FILED

JJA91-01

PCT

14JL1992

PCT/US92/05874 04MR1993

Component Of Printed Circuit Boards

James A. Johnston

FILED

W093/04571

JJA91-01

ROMA

14JL1992

9400280

Component Of Printed Circuit Boards

James A. Johnston

FILED

JJA91-01

RUSS

14JL1992

94016379.09

Component Of Printed Circuit Boards

James A. Johnston

FILED

2122774

27 Nov. 98

JJA91-01 RUSS 16 JAN 98 98101418

(Dw. I)

NOTE: This summary is confidential information of the client for internal informational purposes only and is subject to frequent change.

CONFIDENTIAL

PCMASTER REPORTER

MASTER FILE REPORT

JOHNSON & JOHNSON ASSOC. STATUS REPORT - FOREIGN

DOCKET NUMBER	CTY	APP DATE	APPLICATION NUMBER	PUB DATE	PUBLICATION NO	PAT DATE	PATENT NUMBER	EXPIRES	STATUS	SUBSTATUS
JJA91-01	SING	08JAN1996	9600097.1 Component Of Printed Circuit Boards James A. Johnston						FILED	
JJA91-01	SLVK	14JUL1992	PV0223-94 Component Of Printed Circuit Boards James A. Johnston			15JAN1997	0600925	14JUL2012	GRANTED	
JJA91-01	SPAI	14JUL1992	92916227.9 Component Of Printed Circuit Boards James A. Johnston			15JAN1997	0600925	14JUL2012	GRANTED	
JJA91-01	SWED	14JUL1992	92916227.9 Component Of Printed Circuit Boards James A. Johnston			15JAN1997	0600925	14JUL2012	GRANTED	
JJA91-01	SWIT	14JUL1992	92916227.9 Component Of Printed Circuit Boards James A. Johnston			15JAN1997	0600925	14JUL2012	GRANTED	
JJA91-01	TAIW	24JUL1992	81105854 Component Of Printed Circuit Boards James A. Johnston		248631	29SEP1995	071678	24JUL2012	GRANTED	

279991

NOTE:

This summary is confidential information of the client for internal informational purposes only and is subject to frequent change.

CONFIDENTIAL

MASTER FILE REPORT

PCMASTER REPORTER

JOHNSON & JOHNSON ASSOC. STATUS REPORT - FOREIGN

DOCKET NUMBER	CTY	APP DATE	APPLICATION NUMBER	PUB DATE	PUBLICATION NO	PAT DATE	PATENT NUMBER	EXPIRES	STATUS	SUBSTATUS
JJA91-01	THAI	19AU1992	016727			24OC1997	7281	19AU2012	GRANTED	

Component Of Printed Circuit Boards

James A. Johnston

FILED 0

JJA91-01 UKRA 14JL1992 94041119
Component Of Printed Circuit Boards

James A. Johnston

ABANDONED
5 OCT 98

JJA95-01 ENDO 09JA1997 P970042
Component For And Method Of Making Printed Circuit Boards

James A. Johnston
Albert H. Burgun

FILED

ABANDONED
5 OCT 98

JJA95-01 HAYS 06JA1997 P1970033
Component For And Method Of Making Printed Circuit Boards

James A. Johnston
Albert H. Burgun

FILED

30-month
Deadline for
entering nation
phase was
9 July 98

JJA95-01 PCT 06JA1997 PCT/US97/00216 17JL1997 W097/25841
Component For And Method Of Making Copper Clad Substrates

James A. Johnston
Albert H. Burgun

FILED

TEXT TYPE: DES

All regions/countries

NOTE: This summary is confidential information of the client for internal informational purposes only and is subject to frequent change.

CONFIDENTIAL

PCMASTER REPORTER

MASTER FILE REPORT

JOHNSON & JOHNSTON ASSOC. STATUS REPORT - FOREIGN

DOCKET NUMBER	CITY	APP. DATE	APPLICATION NUMBER	PUB DATE	PUBLICATION NO	PAT. DATE	PATENT NUMBER	EXPIRES	STATUS	SUBSTATUS
JJA95-01	TAIW	04JAN1997	86100034	01061997	317072				FILED	ABANDONED # 5 OCT 98
Component For And Method Of Making Printed Circuit Boards										
James A. Johnston Albert H. Bergun										
JJA95-01	THAI	08JAN1997	035125						FILED	ABANDONED 5 OCT 98
Component For And Method Of Making Printed Circuit Boards										
James A. Johnston Albert H. Bergun										

NOTE: This summary is confidential information of the client for internal informational purposes only and is subject to frequent change.

CONFIDENTIAL

TOTAL P.16

Typical Workstation: (Actual inventory attached)

ATX CASE w/200watt ps
Celeron 400
64SDRAM
4.3gb HD
4mbAGP
3.5 " floppy
17" monitor
100mb nic Card
Pentium processor / BX Motherboard

Award bios
Win98SE
Office 97 Pro
AVP Virus Software

Databases –

Access 2.0 / 7.0
Pervasive 7
FIX / MMI – Engineering Lines

Custom Applications –

Access 2.0
Visual Basic
Fix 32 MMI Apps

Business systems –

MAX, by Kewill MRP
Sales order entry
MRP
Inventory control
Shop floor control

Raw Material/ finished goods Data – access
Inventory control
Shipping Purchasing

- Custom Code in all modules written in VB / Access 2.0

FINANCE –

Great Plains Dynamics –
Crystal/Access/F9 – Report Writing

Fix 32 MMI – Man Machine Interface ← Runs onNT

Engineering –

AutoCad
CadKey
Solidworks

HR –

Payroll – ADP for windows

Shipping –

Yellow freight

Workstation printers

HP Color/Black-white

Fax Machines

-HP Color Fax

Engineering Server

- 450Mhz PII Pentium Microprocessor
- 256MB RAM
- 8x CD Burner
- NT Server 4.0
- SCSI CD-ROM

MIS Server

- 450Mhz PII Pentium Microprocessor
- 256MB RAM
- 8x CD Burner
- NT Server 4.0
- SCSI CD-ROM

HR Server

- 450Mhz PII Pentium Microprocessor
- 256MB RAM
- 8x CD Burner
- NT Server 4.0
- SCSI CD-ROM

Network Hardware:

CAT- 5 Cabling throughout building
12 Pair Fiber going to Old JJA 2
12 Pair fiber going to new JJA building
3com 100MB NIC

(8) 100MB 12 port Hubs 3COM
Cabletron T1 Router
(2) 10/100 Smart Switch 3COM

Network Printers

- HP 5M Color Laser Printer
- HP 8100N Black/White Laser Printer
- Canon GP200 Copier/Printer
- HP 4000N Black/White Laser Printer
- Design Jet 600 Plotter
- HP 800series Color Deskjet

Copy Machines

- Cannon Office series

Servers

Main Server

- 2 450 PIII
- 1 gigabyte RAM
- 18G IBM Hard drive
- Super Micro Dual Processor. Board
- 4mb video
- floppy 3.5 “
- CD-ROM
- 2940 SCSI
- Dat drive (backup system)
- 100M NIC

Novell 5 / Client32

Web Server

- Dual 300 PII
- 128 MB Ram
- (2) Cheetah 9.0gb SCSI
- Backoffice Web software
- Mailbeamer E-Mail

RF Networking —

-Bar Code Readers (American Microsystems)

The above hardware/firmware/OS/utilities/application software known as the MIS systems are Year 2000 compliant

VOICEMAIL / Phone System

Executone 3672 Phone / voicemail

12 phone lines

71 extensions

Auto/Manual Attendant

Voicemail-

Infostar VX/2 designed for 3672 series phone systems

Y2K Compliance

- *Our phone and voicemail system is not Y2K compliant, however, this is not a critical issue, on Jan 1 200, we will set our clock to Jan 1 1994 and maintain the 94 calendar until Feb 28th, on Feb 29 we will se the date to feb28 1995 and maintain that calendar. Because of phone and voice mail systems do not display years our only inconvenience will be messages stored on feb29, will have envelope info that will reflect feb 28th we feel that this is a minor inconvenience that will be blind to most users.*

EXHIBIT A

FORM OF ASSIGNMENT

THIS DOCUMENT SHALL BE HELD BY BANK IN ESCROW PURSUANT TO AND IN ACCORDANCE WITH THE PROVISIONS OF THE INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT, DATED AS OF JANUARY 31, 2000, EXECUTED BY JOHNSON & JOHNSTON ASSOCIATES, INC. ("BORROWER") IN FAVOR OF KEYBANK NATIONAL ASSOCIATION (TOGETHER WITH ITS SUCCESSORS AND ASSIGNS, "BANK") (THE "AGREEMENT"). BY SIGNING IN THE SPACE PROVIDED BELOW, THE UNDERSIGNED OFFICER OF BANK CERTIFIES THAT AN EVENT OF DEFAULT (AS DEFINED IN THE AGREEMENT) HAS OCCURRED AND THAT BANK HAS ELECTED TO TAKE POSSESSION OF THE COLLATERAL (AS DEFINED BELOW) AND TO RECORD THIS DOCUMENT WITH THE UNITED STATES PATENT AND TRADEMARK OFFICE. UPON RECORDING OF THIS DOCUMENT WITH THE UNITED STATES PATENT AND TRADEMARK OFFICE, THIS LEGEND SHALL CEASE TO HAVE ANY FORCE OR EFFECT.

KEYBANK NATIONAL ASSOCIATION

By: _____
Print Name: _____
Title: _____
Date: _____

ASSIGNMENT

WHEREAS, JOHNSON & JOHNSTON ASSOCIATES, INC., a New Hampshire corporation ("Borrower"), is the owner of the Collateral, as hereinafter defined;

WHEREAS, Borrower has executed an Intellectual Property Collateral Assignment Agreement, dated as of January 31, 2000 (as the same may from time to time be amended, restated or otherwise modified, the "Agreement") in favor of KEYBANK NATIONAL ASSOCIATION ("Bank"), pursuant to which Borrower has granted to Bank a security interest in and collateral assignment of the Collateral as security for the Debt, as defined in the Agreement;

WHEREAS, the Agreement provides that the security interest in and collateral assignment of the Collateral is effective as of the date of the Agreement;

WHEREAS, the Agreement provides that this Assignment shall become effective upon the occurrence of an Event of Default, as defined in the Agreement.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, and intending to be legally bound hereby, Borrower, its successors and assigns, subject to the limitations stated in the paragraph immediately following, does hereby transfer, assign and set over unto Bank, its successors, transferees and assigns, all of its existing and future (a) patents, patent registrations, patent applications, patent licenses, technology licenses, trade secrets, know-how, trademarks, trademark registrations, trademark applications, trademark licenses, trade names, service marks, domain names, copyright registrations and copyright licenses, whether federal or state; (b) common law trademark rights, copyrights, improvements and inventions; (c) renewals, proceeds on infringement suits, and rights to sue for past, present and future infringements relating to any of the foregoing; (d) goodwill associated with any of the foregoing; (e) royalties; and (f) proceeds of any of the foregoing (collectively, the "Collateral"), including, but not limited to, the Collateral listed on Schedule 1 hereto that is registered in the United States Patent and Trademark Office in Washington, D.C. or that is the subject of pending applications in the United States Patent and Trademark Office.

This Assignment shall be effective only upon the certification of an authorized officer of Bank, as provided above, that (a) an Event of Default, as defined in the Agreement, has occurred, and (b) Bank has elected to take actual title to the Collateral.

IN WITNESS WHEREOF, the undersigned has caused this Assignment to be executed by its duly authorized officer on January 31, 2000.

ATTEST:

JOHNSON & JOHNSTON ASSOCIATES,
INC.

Printed Name: _____

By: _____
Title: _____

THE STATE OF OHIO)
) SS:
COUNTY OF CUYAHOGA)

BEFORE ME, the undersigned authority, on this day personally appeared _____, known to me to be the person and officer whose name is subscribed to the foregoing instrument and acknowledged to me that the same was the act of the said JOHNSON & JOHNSTON ASSOCIATES, INC., a New Hampshire corporation, and that he executed the same as the act of such corporation for the purposes and consideration therein expressed, and in the capacity therein stated.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this 31st day of January, 2000.

NOTARY PUBLIC

SCHEDULE 1 TO EXHIBIT A

Schedule I

Intellectual Property

1. See the attached matrix for a list of the Borrower's patents and the status thereof.
2. The Borrower has registered the trade name "JJA" in New Hampshire.
3. The Borrower has registered the trademark "CAC" for metallic laminate used as a component in the manufacture of printed circuit boards on the Principal Register of the United States Patent and Trademark Office (Reg. No. 1,800,591).
4. The Borrower's licensed interest in software is attached hereto.
5. The Borrower's Intellectual Property Rights are subject to the following:
 - (a) License Agreement between the Borrower and Gould dated April 14, 1993.
 - (b) Trademark License Agreement between the Borrower and Gould dated June 25, 1993.
 - (c) Amendment to License Agreement and Trademark License Agreement between the Borrower and Gould dated May 29, 1996.
 - (d) Amended and Restated Patent Assignment and Security Agreement between the Borrower and Gould dated May 29, 1996.
 - (e) Pending litigation, related judgment and pending appeal by RE Services and Mark Frater.
 - (f) Strategic Alliance Agreement among the Borrower, Gould and others dated April 14, 1993.
 - (g) Amendment to Strategic Alliance Agreement, dated as of May 29, 1996, by and among, the Borrower, Gould and others.

STATUS REPORT

U.S. AND FOREIGN

JOHNSON & JOHNSTON ASSOCIATES, INC.

February 12, 1998

Updated DECEMBER 1999

Prepared by

Hamilton, Brook, Smith & Reynolds, P.C.

DOCKET LETTER CODE:

X, Y, Z = Divisional

A = Continuation or C-I-P

P = Provisional

Prime C) or F = Continued Prosecution Application (CPA)

NOTE: This summary is confidential information of the client for internal informational purposes only and is subject to frequent change.

CONFIDENTIAL

PCMASTER REPORTER

MASTER FILE REPORT

JOHNSTON & JOHNSTON STATUS REPORT - U.S.

DOCKET NUMBER	CTY	APP DATE	APPLICATION NUMBER	PAT DATE	PATENT NUMBER	EXPIRES	ATTY	ASSOC	STATUS	SUBSTATUS
JJA91-01A3	USA	10FE1998	09/021092-004	24 Aug 99	5,942,315		11 RAW		FILED	

Component Of Printed Circuit Boards

James A. Johnston

JJA91-01AF

USA 24JA1997

08/789,169

14 SEP 99 5,951,803

FILED

0

Component Of Printed Circuit Boards

James A. Johnston

JJA91-01B

USA 01OC1992

07/955,121

07OC1997

5,674,596

07OC2014

RAW

GRANTED

Component Of Printed Circuit Boards

James A. Johnston

JJA95-01

USA 09JA1996

08/583,823

RAW

FILED

ABANDONED

Component For And Method Of Making Printed Circuit Boards

James A. Johnston
Albert H. Bergun

NOTE: This summary is confidential information of the client for internal informational purposes only and is subject to frequent change.

CONFIDENTIAL

JOHNSON & JOHNSTON ASSOC. STATUS REPORT - FOREIGN

MASTER FILE REPORT	DOCKET NUMBER	CTY	APP. DATE	APPLICATION NUMBER	PUB DATE	PUBLICATION NO	PAT. DATE	PATENT NUMBER	EXPIRES	STATUS	SUBSTATUS
	JJA86-01	ATRA	10NO1987	87907893.9 Method And Apparatus For Manufacturing Printed Circuit Boards			30AU1995	0333744	10NO2007	GRANTED	
				James A. Johnston							
	JJA86-01	BELG	10NO1987	87907893.9 Method And Apparatus For Manufacturing Printed Circuit Boards			30AU1995	0333744	10NO2007	GRANTED	
				James A. Johnston							
	JJA86-01	CANA	12NO1987	551,723 Method and Apparatus for Manufacturing Printed Circuit Boards			04DE1990	1,277,430	04DE2007	GRANTED	
				James A. Johnston							
	JJA86-01	EPC	10NO1987	87907893.9 Method and Apparatus For Manufacturing Printed Circuit Boards			30AU1995	0333744	10NO2007	GRANTED	
				James A. Johnston							
	JJA86-01	FRAN	10NO1987	87907893.9 Method And Apparatus For Manufacturing Printed Circuit Boards			30AU1995	0333744	10NO2007	GRANTED	
				James A. Johnston							

TEXT TYPE: DES

AI, BE, FR, DE, GB, IT, LU, NE, SE, CH/LJ

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CONFIDENTIAL

PCMASTER REPORTER

MASTER FILE REPORT

JOHNSON & JOHNSON ASSOC. STATUS REPORT - FOREIGN

DOCKET NUMBER	CITY	APP. DATE	APPLICATION NUMBER	PUB DATE	PUBLICATION NO	PAT. DATE	PATENT NUMBER	EXPIRES	STATUS	SUBSTATUS
JJA86-01	GBR	10NO1987	87907893.9 Method And Apparatus For Manufacturing Printed Circuit Boards			30AU1995	0333744	10NO2007	GRANTED	

James A. Johnston

JJA86-01	GER	10NO1987	87907893.9 Method And Apparatus For Manufacturing Printed Circuit Boards			30AU1995	P3751496.2-08	10NO2007	GRANTED	
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James A. Johnston

JJA86-01	ITA	10NO1987	87907893.9 Method And Apparatus For Manufacturing Printed Circuit Boards			30AU1995	0333744	10NO2007	GRANTED	
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James A. Johnston

JJA86-01	JAP	10NO1987	500170/88 Method And Apparatus For Manufacturing Printed Circuit Boards	04HK1996	21765/96	21NO1996	2109484	10NO2007	GRANTED	
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James A. Johnston

JJA86-01	LUX	10NO1987	87907893.9 Method And Apparatus For Manufacturing Printed Circuit Boards			30AU1995	0333744	10NO2007	GRANTED	
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James A. Johnston

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CONFIDENTIAL

PCMASTER REPORTER

MASTER FILE REPORT

JOHNSON & JOHNSTON ASSOC. STATUS REPORT - FOREIGN

DOCKET NUMBER	CTY	APP. DATE	APPLICATION NUMBER	PUB DATE	PUBLICATION NO	PAT. DATE	PATENT NUMBER	EXPIRES	STATUS	SUBSTATUS
JJA86-01	NETH	10NO1987	87907893.9			30AU1995	0333744	10NO2007	GRANTED	

Method And Apparatus For Manufacturing Printed Circuit Boards

James A. Johnston

FILED

JJA86-01 PCT 10NO1987 PCT/US87/02942 19NY1988 W088/03743
Method And Apparatus For Manufacturing Printed Circuit Boards

James A. Johnston

JJA86-01 SING 10NO1987 87907893.9 30AU1995 0333744 14NO2006 GRANTED

Method And Apparatus For Manufacturing Printed Circuit Boards

James A. Johnston

JJA86-01 SING 10NO1987 87907893.9 30AU1995 0333744 10NO2007 GRANTED

Method And Apparatus For Manufacturing Printed Circuit Boards

James A. Johnston

JJA86-01 SING 10NO1987 87907893.9 30AU1995 0333744 10NO2007 GRANTED

Method And Apparatus For Manufacturing Printed Circuit Boards

James A. Johnston

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CONFIDENTIAL

PCMASTER REPORTER

MASTER FILE REPORT

JOHNSON & JOHNSON ASSOC. STATUS REPORT - FOREIGN

SUBSTATUS
-----STATUS
-----EXPIRES
-----PATENT NUMBER
-----PAT. DATE
-----PUBLICATION NO
-----PUB DATE
-----APPLICATION NUMBER
-----APP. DATE
-----CTY
-----DOCKET NUMBER

GRANTED

14JUL2012

662,012

17AUG1995

23655/92

14JUL1992

ASTL

JJA91-01

Component Of Printed Circuit Boards

James A. Johnston

GRANTED

14JUL2012

0600925

15JAN1997

92916227.9

14JUL1992

ATRA

JJA91-01

Component Of Printed Circuit Boards

James A. Johnston

FILED

283348

12 JAN 98

01505/12

14JUL1992

BELA

JJA91-01

Component Of Printed Circuit Boards

James A. Johnston

GRANTED

14JUL2012

0600925

15JAN1997

92916227.9

14JUL1992

BELG

JJA91-01

Component Of Printed Circuit Boards

James A. Johnston

FILED

61363

1 JUN 98

P19206474

14JUL1992

BRAZ

JJA91-01

Component Of Printed Circuit Boards

James A. Johnston

FILED

61363

1 JUN 98

98543

14JUL1992

BULG

JJA91-01

Component Of Printed Circuit Boards

James A. Johnston

NOTE: This summary is confidential information of the client for internal informational purposes only and is subject to frequent change.

CONFIDENTIAL

PATENT

REEL: 010696 FRAME: 0586

PCMASTER REPORTER

MASTER FILE REPORT

JOHNSON & JOHNSON ASSOC. STATUS REPORT - FOREIGN

SUBSTATUS
.....STATUS
.....EXPIRES
.....PATENT NUMBER
.....PAT DATE
.....PUBLICATION NO
.....PUB DATE
.....APPLICATION NUMBER
.....APP DATE
.....CTY
.....DOCKET NUMBER
.....

26MR1996 2,116,662 14JL2012 GRANTED

JJA91-01 CANA 14JL1992 2,116,662
Component Of Printed Circuit Boards

James A. Johnston

22NO1997 92109596.1 20RU2007 GRANTED

JJA91-01 CHIN 20AU1992 92109596.1
Component Of Printed Circuit Boards

James A. Johnston

FILED

12 JAN 98 283348

JJA91-01 CZEK 14JL1992 PV435-94
Component Of Printed Circuit Boards

James A. Johnston

15JA1997 0600925 14JL2012 GRANTED

JJA91-01 DENH 14JL1992 92916227.9
Component Of Printed Circuit Boards

James A. Johnston

15JA1997 0600925 14JL2012 GRANTED

JJA91-01 EPC 14JL1992 92916227.9
Component Of Printed Circuit Boards

James A. Johnston

TEXT TYPE: DES

AT,BE,CH,DE,DK,ES,FR,GB,GR,IT,LU,MC,NL,SE

FILED

JJA91-01 FINL 14JL1992 940913
Component Of Printed Circuit Boards

James A. Johnston

NOTE: This summary is confidential information of the client for internal informational purposes only and is subject to frequent change.

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PCMASTER REPORTER

MASTER FILE REPORT

JOHNSON & JOHNSON ASSOC. STATUS REPORT - FOREIGN

DOCKET NUMBER	CTY	APP DATE	APPLICATION NUMBER	PUB DATE	PUBLICATION NO	PAT DATE	PATENT NUMBER	EXPIRES	STATUS	SUBSTATUS
JJA91-01	FRAN	14JL1992	92916227.9 Component Of Printed Circuit Boards James A. Johnston			15JA1997	0600925	14JL2012	GRANTED	
JJA91-01	GER1	14JL1992	92916227.9 Component Of Printed Circuit Boards James A. Johnston			15JA1997	0600925	14JL2012	GRANTED	
JJA91-01	GERX	14JL1992	92916227.9 Component Of Printed Circuit Boards James A. Johnston			15JA1997	69216839.7-08	14JL2012	GRANTED	
JJA91-01	GREC	14JL1992	92916227.9 Component Of Printed Circuit Boards James A. Johnston			15JA1997	0600925	14JL2012	GRANTED	
JJA91-01	HONG	14JL1992	92916227.9 Component Of Printed Circuit Boards James A. Johnston			15JA1997	0600925 370 OF 1997	14JL2012	GRANTED	
JJA91-01	HUNG	14JL1992	P9400579 Component Of Printed Circuit Boards James A. Johnston			10 AUG 99	216987		FILED	

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JOHNSON & JOHNSTON ASSOC. STATUS REPORT - FOREIGN

DOCKET NUMBER	CTY	APP. DATE	APPLICATION NUMBER	PUB DATE	PUBLICATION NO	PAT. DATE	PATENT NUMBER	EXPIRES	STATUS	SUBSTATUS
JJA91-01	INDO	22AUG1992	P-004612 Component Of Printed Circuit Boards James A. Johnston			9 FEB 99	AS OF 12/17/99	NOT ISSUED	FILED	
JJA91-01	ITAL	14JUL1992	92916227.9 Component Of Printed Circuit Boards James A. Johnston			15JAN1997	0600925	14JUL2012	GRANTED	
JJA91-01	JAPA	14JUL1992	504291/93 Component Of Printed Circuit Boards James A. Johnston						FILED	REQUEST FOR EXAM FILED 9 FEB 99
JJA91-01	KORS	14JUL1992	700580/92 Component Of Printed Circuit Boards James A. Johnston						FILED	
JJA91-01	LUXE	14JUL1992	92916227.9 Component Of Printed Circuit Boards James A. Johnston			15JAN1997	0600925	14JUL2012	GRANTED	
JJA91-01	KAYS	08JUL1992	P19201408 Component Of Printed Circuit Boards James A. Johnston			31DEC1996	NY109204A	31DEC2011	GRANTED	

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MASTER FILE REPORT

JOHNSON & JOHNSON ASSOC. STATUS REPORT - FOREIGN

SUBSTATUS

STATUS

EXPIRES

PATENT NUMBER

PAY DATE

PUBLICATION NO

PUB DATE

APPLICATION NUMBER

APP DATE

CTY

DOCKET NUMBER

Component Of Printed Circuit Boards

James A. Johnston

92916227.9

14JL1992

MONA

JJA91-01

14JL2012

0600925

15JA1997

GRANTED

14JL2012

0600925

15JA1997

92916227.9

14JL1992

METR

JJA91-01

Component Of Printed Circuit Boards

James A. Johnston

94.0657

14JL1992

XORU

JJA91-01

FILED

Component Of Printed Circuit Boards

James A. Johnston

W093/04571

Component Of Printed Circuit Boards

D4MR1993

PC1/US92/05874

14JL1992

PCT

JJA91-01

FILED

James A. Johnston

9400280

14JL1992

ROMA

JJA91-01

FILED

Component Of Printed Circuit Boards

James A. Johnston

94016379.09

Component Of Printed Circuit Boards

90

14JL1992

RUSS

JJA91-01

FILED

2122774

27 Nov. 98

James A. Johnston

98/01418

16 JAN 98

RUSS

JJA91-01

(Div. I)

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PATENT

REEL: 010696 FRAME: 0590

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MASTER FILE REPORT

JOHNSON & JOHNSON ASSOC. STATUS REPORT - FOREIGN

SUBSTATUS

STATUS

EXPIRES

PATENT NUMBER

PAT. DATE

PUBLICATION NO

PUB DATE

APPLICATION NUMBER

APP. DATE

CTY

DOCKET NUMBER

FILED

960097.1
Component Of Printed Circuit Boards

James A. Johnston

FILED

279991
PV0223-94
Component Of Printed Circuit Boards

James A. Johnston

GRANTED

14JL2012

0600925

15JA1997

92916227.9
Component Of Printed Circuit Boards

James A. Johnston

GRANTED

14JL2012

0600925

15JA1997

92916227.9
Component Of Printed Circuit Boards

James A. Johnston

GRANTED

14JL2012

0600925

15JA1997

92916227.9
Component Of Printed Circuit Boards

James A. Johnston

GRANTED

24JL2012

07167B

29SE1995

248631

81105854 01JE1995
Component Of Printed Circuit Boards

James A. Johnston

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JOHNSON & JOHNSON ASSOC. STATUS REPORT - FOREIGN

DOCKET NUMBER	CTY	APP. DATE	APPLICATION NUMBER	PUB DATE	PUBLICATION NO	PAT. DATE	PATENT NUMBER	EXPIRES	STATUS	SUBSTATUS
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JJA91-01	THAI	19AU1992	016727			24OC1997	7281	19AU2012	GRANTED	
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Component Of Printed Circuit Boards

James A. Johnston

JJA91-01	UKRA	14JL1992	94041119						FILED	
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Component Of Printed Circuit Boards

James A. Johnston

JJA95-01	INDO	09JA1997	P970042						FILED	ABANDONED 5 OCT 98
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Component For And Method Of Making Printed Circuit Boards

James A. Johnston
Albert H. Burgun

JJA95-01	WAYS	06JA1997	P19700033						FILED	ABANDONED 5 OCT 98
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Component For And Method Of Making Printed Circuit Boards

James A. Johnston
Albert H. Burgun

JJA95-01	PCT	06JA1997	PCT/US97/00216	17JL1997	W097/25841				FILED	30-Month Deadline for entering national phase was 9 July 98
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Component For And Method Of Making Copper Clad Substrates

James A. Johnston
Albert H. Burgun

TEXT TYPE: DES

All regions/countries

NOTE: This summary is confidential information of the client for internal informational purposes only and is subject to frequent change.

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MASTER FILE REPORT

JOHNSON & JOHNSTON ASSOC. STATUS REPORT - FOREIGN

DOCKET NUMBER	CTY	APP DATE	APPLICATION NUMBER	PUB DATE	PUBLICATION NO	PAT DATE	PATENT NUMBER	EXPIRES	STATUS	SUBSTATUS
JJA95-01	TAIW	04JAN1997	86100034	01DEC1997	317072				FILED	ABANDONED # 5 OCT 98

Component For And Method Of Making Printed Circuit Boards

James A. Johnston
Albert H. BergunABANDONED
5 OCT 98

FILED

035125
Component For And Method Of Making Printed Circuit BoardsJames A. Johnston
Albert H. Bergun

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TOTAL P. 16

Typical Workstation: (Actual inventory attached)

ATX CASE w/200watt ps
Celeron 400
64SDRAM
4.3gb HD
4mbAGP
3.5 " floppy
17" monitor
100mb nic Card
Pentium processor / BX Motherboard

Award bios
Win98SE
Office 97 Pro
AVP Virus Software

Databases –

Access 2.0 / 7.0
Pervasive 7
FIX / MMI – Engineering Lines

Custom Applications –

Access 2.0
Visual Basic
Fix 32 MMI Apps

Business systems –

MAX, by Kewill MRP
Sales order entry
MRP
Inventory control
Shop floor control

Raw Material/ finished goods Data – access
Inventory control
Shipping Purchasing

- Custom Code in all modules written in VB / Access 2.0

FINANCE –

Great Plains Dynamics –
Crystal/Access/F9 – Report Writing

Fix 32 MMI – Man Machine Interface ← Runs onNT

Engineering –

AutoCad
CadKey
Solidworks

HR –

Payroll – ADP for windows

Shipping –

Yellow freight

Workstation printers

HP Color/Black-white

Fax Machines

-HP Color Fax

Engineering Server

- 450Mhz PII Pentium Microprocessor
- 256MB RAM
- 8x CD Burner
- NT Server 4.0
- SCSI CD-ROM

MIS Server

- 450Mhz PII Pentium Microprocessor
- 256MB RAM
- 8x CD Burner
- NT Server 4.0
- SCSI CD-ROM

HR Server

- 450Mhz PII Pentium Microprocessor
- 256MB RAM
- 8x CD Burner
- NT Server 4.0
- SCSI CD-ROM

Network Hardware:

CAT- 5 Cabling throughout building
12 Pair Fiber going to Old JJA 2
12 Pair fiber going to new JJA building
3com 100MB NIC

(8) 100MB 12 port Hubs 3COM
Cabletron T1 Router
(2) 10/100 Smart Switch 3COM

Network Printers

- HP 5M Color Laser Printer
- HP 8100N Black/White Laser Printer
- Canon GP200 Copier/Printer
- HP 4000N Black/White Laser Printer
- Design Jet 600 Plotter
- HP 800series Color Deskjet

Copy Machines

- Cannon Office series

Servers

Main Server

- 2 450 PIII
- 1 gigabyte RAM
- 18G IBM Hard drive
- Super Micro Dual Processor. Board
- 4mb video
- floppy 3.5 “
- CD-ROM
- 2940 SCSI
- Dat drive (backup system)
- 100M NIC

Novell 5 / Client32

Web Server

- Dual 300 PII
- 128 MB Ram
- (2) Cheetah 9.0gb SCSI
- Backoffice Web software
- Mailbeamer E-Mail

RF Networking –

-Bar Code Readers (American Microsystems)

The above hardware/firmware/OS/utilities/application software known as the MIS systems are Year 2000 compliant

VOICEMAIL / Phone System

Executone 3672 Phone / voicemail

12 phone lines

71 extensions

Auto/Manual Attendant

Voicemail-

Infostar VX/2 designed for 3672 series phone systems

Y2K Compliance

- *Our phone and voicemail system is not Y2K compliant, however, this is not a critical issue, on Jan 1 200, we will set our clock to Jan 1 1994 and maintain the 94 calendar until Feb 28th, on Feb 29 we will se the date to feb28 1995 and maintain that calendar. Because of phone and voice mail systems do not display years our only inconvenience will be messages stored on feb29, will have envelope info that will reflect feb 28th we feel that this is a minor inconvenience that will be blind to most users.*

EXHIBIT B

FORM OF ESTOPPEL LETTER

KeyBank National Association
127 Public Square
Cleveland, Ohio 44114

Re: License Agreement, dated as of April 14, 1993, by and between Johnson & Johnston Associates, Inc. and GA-TEK INC. (formerly known as Gould Inc.)

Ladies and Gentlemen:

Reference is made to the Credit and Security Agreement, dated as of January 31, 2000, between Borrower and KeyBank National Association "(Bank)" (as the same may from time to time be amended, restated or otherwise modified or replaced, the "Credit Agreement"), pursuant to which Bank will grant financial accommodations to Borrower upon certain terms and conditions.

In connection with the Credit Agreement, Borrower has executed and delivered to Bank an Intellectual Property Collateral Assignment Agreement, dated as of January 31, 2000 (as the same may from time to time be amended, restated or otherwise modified, the "Intellectual Property Agreement"), pursuant to which Borrower has granted to Bank a security interest in and collateral assignment of the Collateral, as defined in the Intellectual Property Agreement.

Pursuant to the terms and conditions of the License Agreement, dated as of April 14, 1993 (as the same may from time to time be amended, restated or otherwise modified, the "License Agreement"), between Borrower, as licensor and GA-TEK INC. (formerly known as Gould Inc.) ("GA-TEK"), as licensee, Borrower has granted to GA-TEK a license of some of the Collateral subject to the Intellectual Property Agreement, including, but not limited to the Patent Rights (as defined in the License Agreement) and the Technical Know-How (as defined in the License Agreement) (the Patent Rights and the Technical Know-How, together with any other rights licensed to GA-TEK pursuant to the License Agreement, are collectively referred to herein as the "Licensed Assets").

GA-TEK understands that Bank is willing to enter into the Credit Agreement and to grant financial accommodations to Borrower thereunder only upon certain terms and conditions, one of which is that GA-TEK execute and deliver to Bank this Estoppel Letter.

In consideration of the foregoing, GA-TEK hereby certifies to and agrees with Bank as follows:

1. A copy of the License Agreement is attached hereto as Exhibit A. The License Agreement is in full force and effect, has not been modified or amended, and is enforceable in accordance with its terms.
2. Except as permitted pursuant to the License Agreement, GA-TEK has not assigned or transferred and will not assign and transfer any of its rights under the License Agreement. Except as permitted pursuant to the License Agreement, GA-TEK has not granted any sublicense in any of the Licensed Assets, or any portion thereof.
3. Neither GA-TEK nor, to the best of GA-TEK's knowledge, Borrower is in default of any term or provision of the License Agreement.
4. After receipt by GA-TEK of written notice after an Event of Default from Bank, GA-TEK will make any royalty or other payments due under the License Agreement directly to Bank. GA-TEK will cooperate with Bank with respect to any assumption by Bank of Borrower's rights under the License Agreement.
5. By signing below, GA-TEK acknowledges the terms of, and consents to, the Intellectual Property Agreement.
6. GA-TEK represents and warrants that the execution by Borrower of the Intellectual Property Agreement and the performance of Borrower's obligations thereunder will not result in or cause a default under the License Agreement.

GA-TEK acknowledges that Bank will rely upon the matters set forth herein in making loans to Borrower under the Credit Agreement. This Estoppel Letter shall inure to the benefit of, and may be relied upon by, Bank and its successors and assigns.

Dated this ____ day of _____, 2000.

GA-TEK INC.

By: _____
Title: _____